2.5” USB2.0 SMART BACKUP

USER MANUAL

(Rev.: 1.50)

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■ Trademarks

All names and products mentioned below are registered trademarks of their respective companies.

■ Introduction

Thank you for purchasing our Smart Backup enclosure, this manual contains information of installation and device capabilities. Please read this manual thoroughly before you start in and retain it for future reference.

The Smart Backup is an USB 2.0 interface enclosure. It is easy to mount an existing 2.5” IDE hard disk inside by DIY and implement a high performance external backup storage device. The Smart Backup has an advantage of single backup button. It provides an easy way to make a daily backup task just by one touch. You only just preset a copying path and specify suitable attributes to an application utility program that including in the bundle disc.

Product features:

- High performance, USB 2.0 interface
- Backward compatible with USB 1.1 specification
- Advantage of one button data backup
- Advantage of power management
- Ideal for 2.5” hard disk drive application
- Plug & Play and hot swappable
- Perfect for regular or daily backup user.

■ System requirements

- IBM® PC or Macintosh®computer with one free USB2.0 port*.
- Supports Windows® 98SE**、 Windows® ME、 Windows®2000、 Windows® XP.
- Supports Mac™OS 9.x and 10.0.X or later.
- Requires 2.5” hard drive installed to Smart Disk enclosure before using.

* The Smart Backup can work at both USB 1.1 and USB 2.0 port, but to achieve a hi-speed transfer rate, your Smart Backup must be connected to an USB 2.0 host port.

** You need to install driver first time in Windows® 98SE

■ Package contents

Please check following items that should be in your package, if any of items are short supplied or damaged, please inform to our supporting center or your local dealer.

- Smart Backup enclosure (without hard drive)
- USB cable (with an extra USB auxiliary power cord)
- Setup driver and application utility disc with manual
- Screwdriver for DIY
- Carry-bag

■ Install 2.5” Hard drive

Before using Smart Backup Enclosure

- ☞ Electrostatic discharge can damaged electronic components. Be sure you are properly grounded before beging any procedure.You can touch a metal part of the computer’s chassis or power supply unit to discharge any static charge that may have built up inside your body.
- ☞ Handle IDE PCB board by the edge to avoid touching the electronic components.
- ☞ To avoid damage to your hard drive, please handle with much care. Do not shake or drop the hard drive.

1. Unscrew the end cap's screws by screwdriver to open the aluminum housing.

2. Pull out the plastic cap with circuit board.

3. Connect 2.5" HDD into the 44-Pin connector on circuit Board.

1). Connect 2.5" hard drive's 44-pin dual-row header into PCB female header, the connection should be precise and completely.

2). To avoid damage of hard drive, please handle with care, do not shake or drop your hard drive in process.

4. Place hard drive back to the aluminum housing

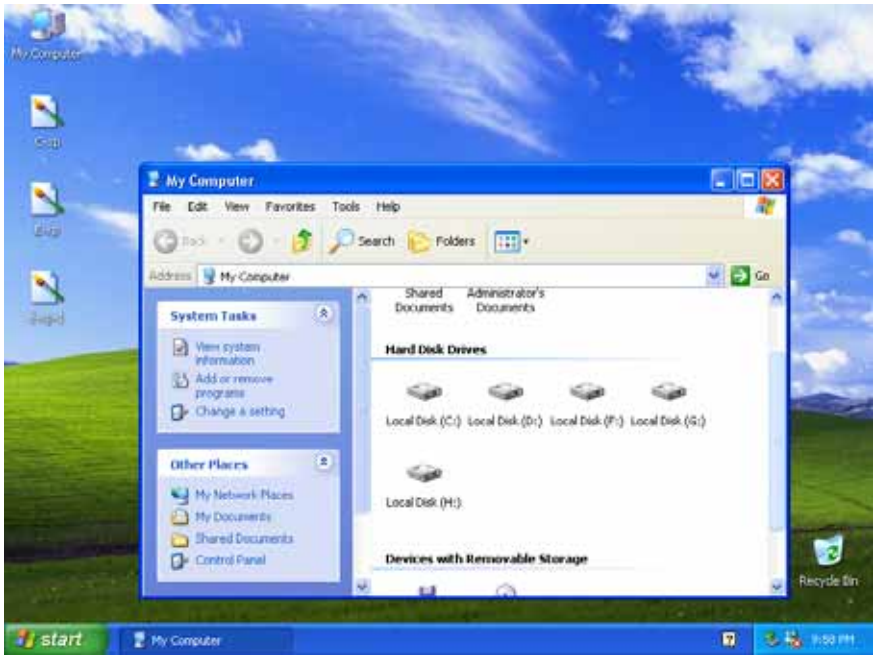
1) Slide the hard drive carefully into the bottom of aluminum housing.
2) Hard drive should be placed in accordance with the picture below.
3) Close the housing and replace plastic cap.

5. Connect Smart Backup to your computer

To achieve with a high-speed performance, we recommend you connect Smart Backup to an USB 2.0 port, which normally labeled as or USB2.0 beside the USB port.

■ Start in Windows® ME、2000、XP and Mac OS

This Smart Backup is driver-free for **Windows® ME、 Windows®2000、 Windows®XP** and **Mac OS.X,** you do not have to install any driver, just connect Smart Backup with hard drive to PC's USB2.0 port directly. Windows will detect your Smart Backup automatically and reveal a new **"Removable Disk"** or **"Local Disk"** icon in **"My Computer".**

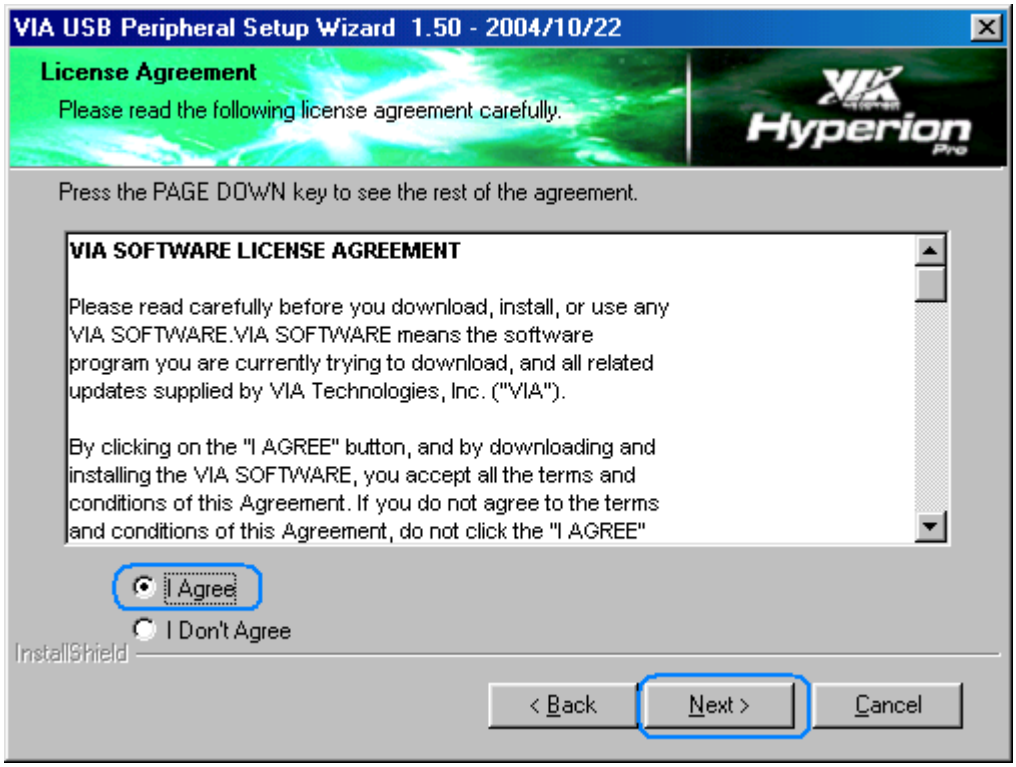


■ Windows® 98SE driver installation

1. Insert software driver disc into your CD-ROM drive.
2. Double click on ” **setup**” icon in ” **98 Driver**” folder.
3. Click **“Next”** to continue.

VIA USB Peripheral Setup Wizard 1.50 - 2004/10/22
Hyperion Pro
Welcome to the Install Wizard for VIA USB Peripheral Setup Program
The Install Wizard will install VIA USB Peripheral Setup Program on your computer. To continue, click Next.
U-Version:5.2.1.6
< Back
Next >
Cancel

4. Check【**I Agree**】then click **“Next”** to continue.


VIA USB Peripheral Setup Wizard 1.50 - 2004/10/22
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Press the PAGE DOWN key to see the rest of the agreement.
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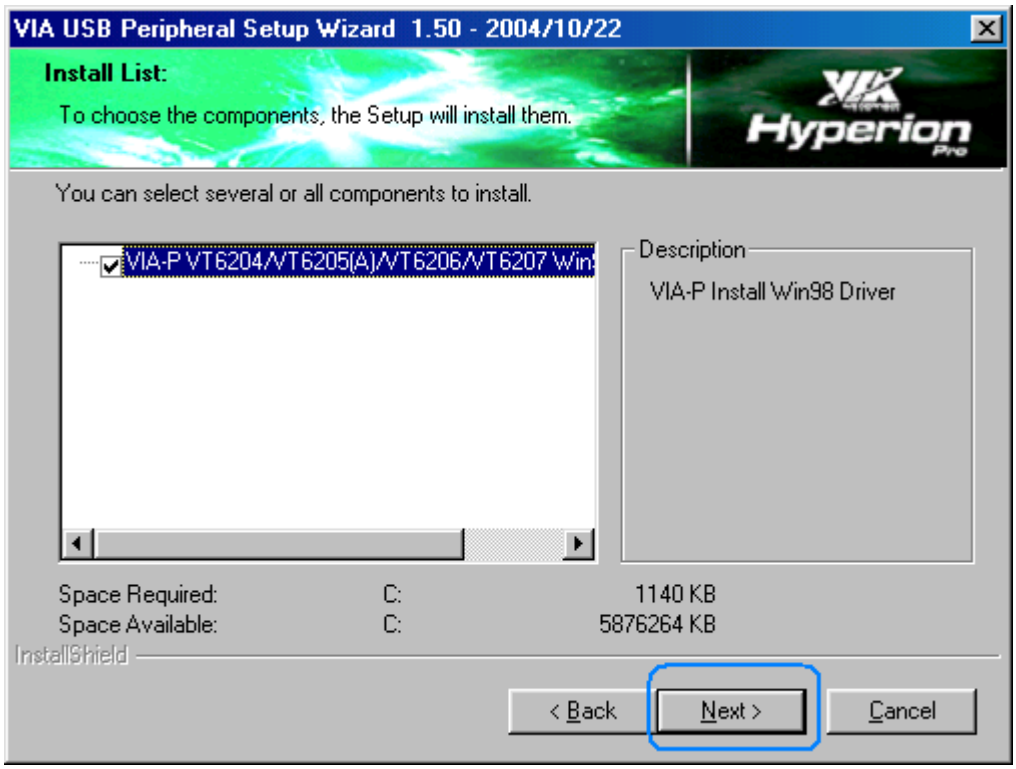
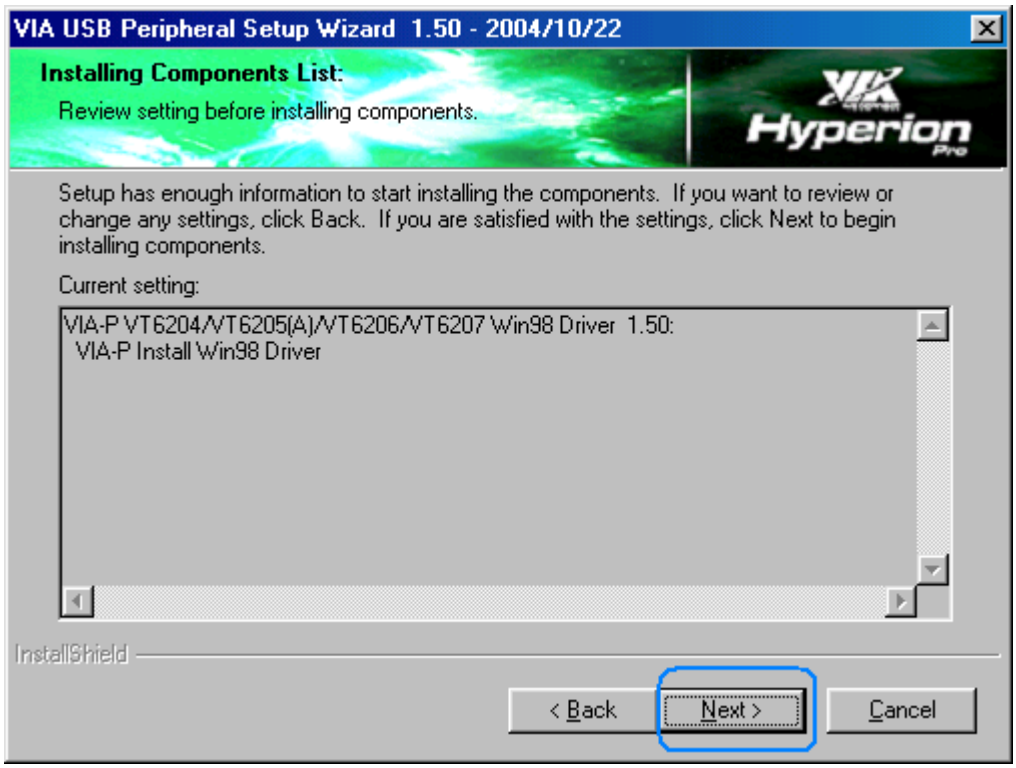
By clicking on the "I AGREE" button, and by downloading and installing the VIA SOFTWARE, you accept all the terms and conditions of this Agreement. If you do not agree to the terms and conditions of this Agreement, do not click the "I AGREE"
I Agree
I Don't Agree
InstallShield
< Back
Next >
Cancel

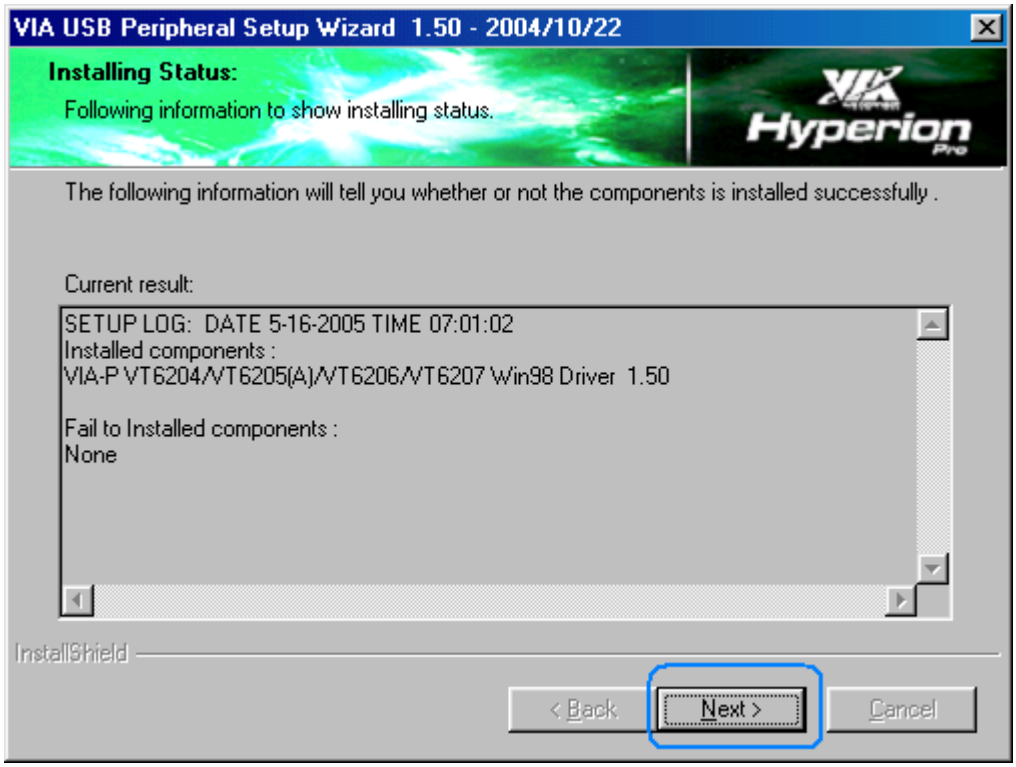
5. Click **"Next"** to continue.


VIA USB Peripheral Setup Wizard 1.50 - 2004/10/22
Install List:
To choose the components, the Setup will install them.
Hyperion Pro
You can select several or all components to install.
VIA-P VT6204/VT6205(A)/VT6206/VT6207 Win
Description
VIA-P Install Win98 Driver
Space Required: C: 1140 KB
Space Available: C: 5876264 KB
InstallShield
< Back
Next >
Cancel

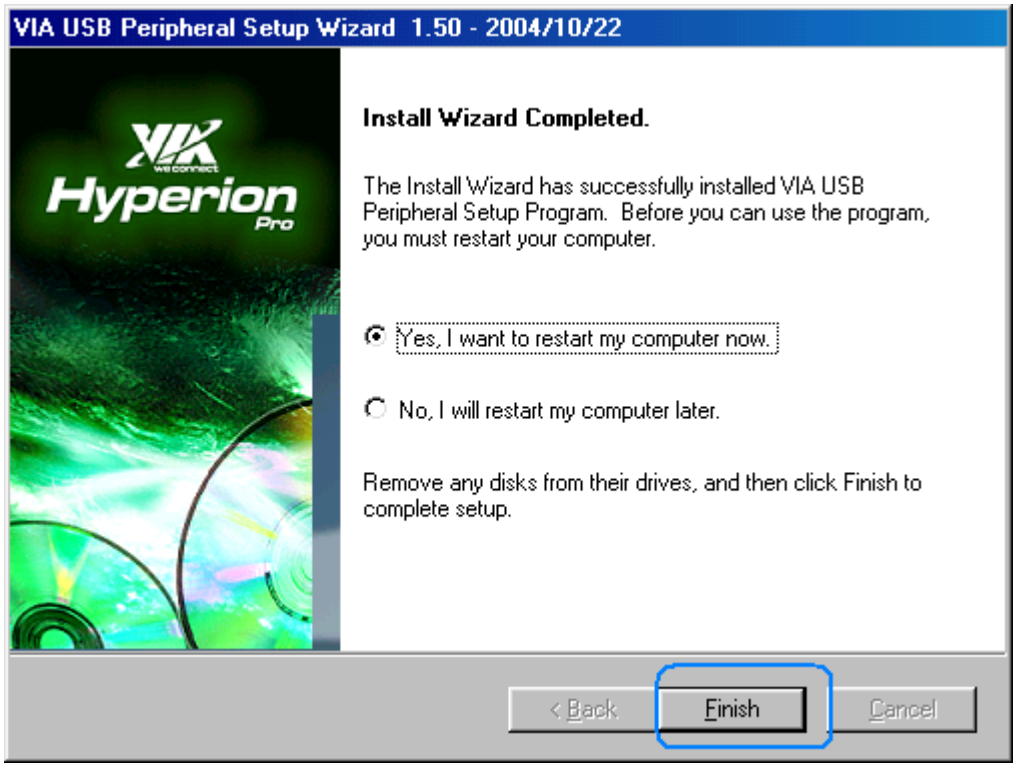
6. Click **"Next"** to continue.


VIA USB Peripheral Setup Wizard 1.50 - 2004/10/22
Installing Components List:
Review setting before installing components.
Hyperion Pro
Setup has enough information to start installing the components. If you want to review or change any settings, click Back. If you are satisfied with the settings, click Next to begin installing components.
Current setting:
VIA-P VT6204/VT6205(A)/VT6206/VT6207 Win98 Driver 1.50:
VIA-P Install Win98 Driver
InstallShield
< Back
Next >
Cancel

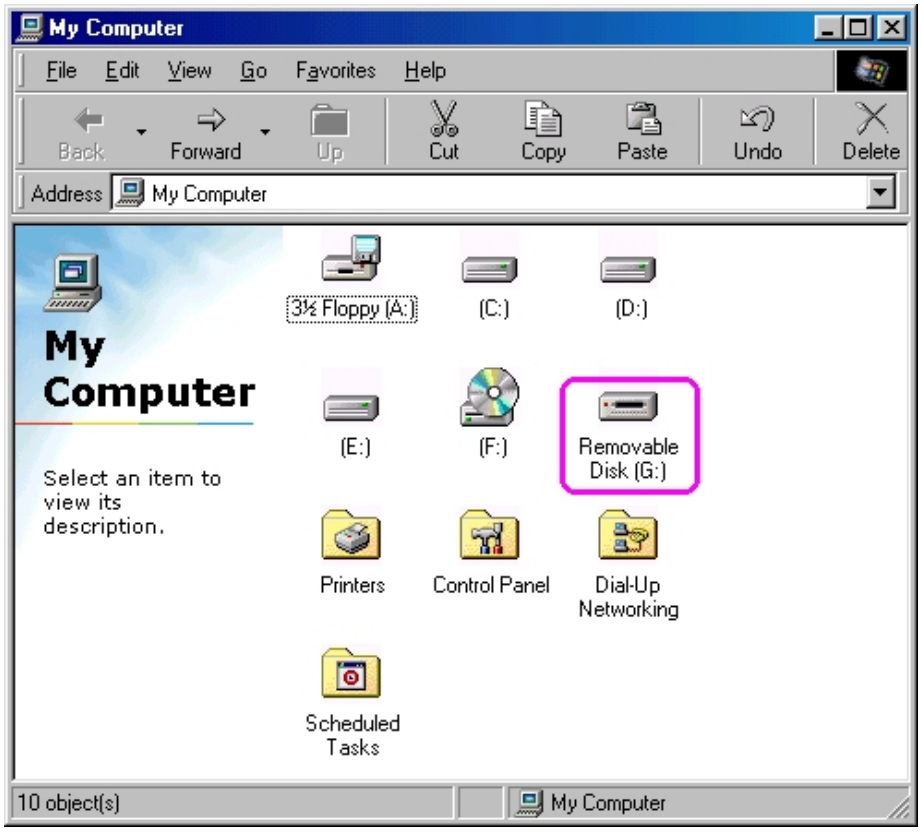
7. Click **"Next"** to continue.


VIA USB Peripheral Setup Wizard 1.50 - 2004/10/22
Installing Status:
Following information to show installing status.
Hyperion Pro
The following information will tell you whether or not the components is installed successfully .
Current result:
SETUP LOG: DATE 5-16-2005 TIME 07:01:02
Installed components :
VIA-P VT6204/VT6205(A)/VT6206/VT6207 Win98 Driver 1.50
Fail to Installed components :
None
InstallShield
< Back
Next >
Cancel

8. Click **" Finish "** to restart your computer.


VIA USB Peripheral Setup Wizard 1.50 - 2004/10/22
Hyperion Pro
Install Wizard Completed.
The Install Wizard has successfully installed VIA USB Peripheral Setup Program. Before you can use the program, you must restart your computer.
Yes, I want to restart my computer now.
No, I will restart my computer later.
Remove any disks from their drives, and then click Finish to complete setup.
< Back
Finish
Cancel

9. Reboot your computer, a **"Removable Disk"** icon will display under **“My Computer”** window**.**



■ Indicator Description

There is a green status LED on Smart Backup for diagnosis, it will lights up when this device has been connected to your computer’s USB port and it will turn off after system has shut down. If data is transmitting between PC and Smart Backup, the status LED will start to flash.

■ Safely Remove Smart Backup

It’s recommended to use the **"Removable Device"** icon on the taskbar, click to disable the storage device before unplugging the Smart Backup.

In Macintosh®, you can use “**Eject**” command to eject this storage device for safe remove.

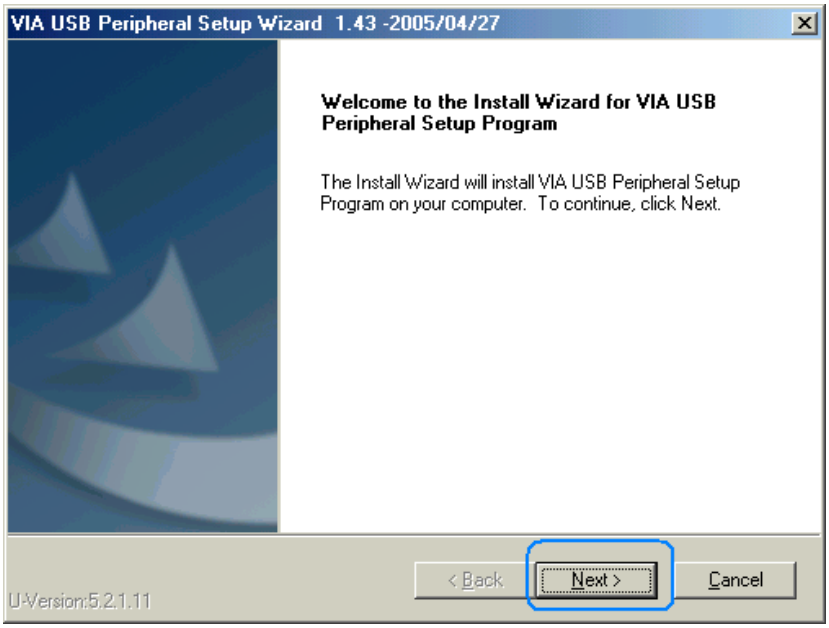
WARNING:

☞ **Please do not remove Smart Backup while data is transmitting, this may cause your computer to crash and lost your valuable data.**

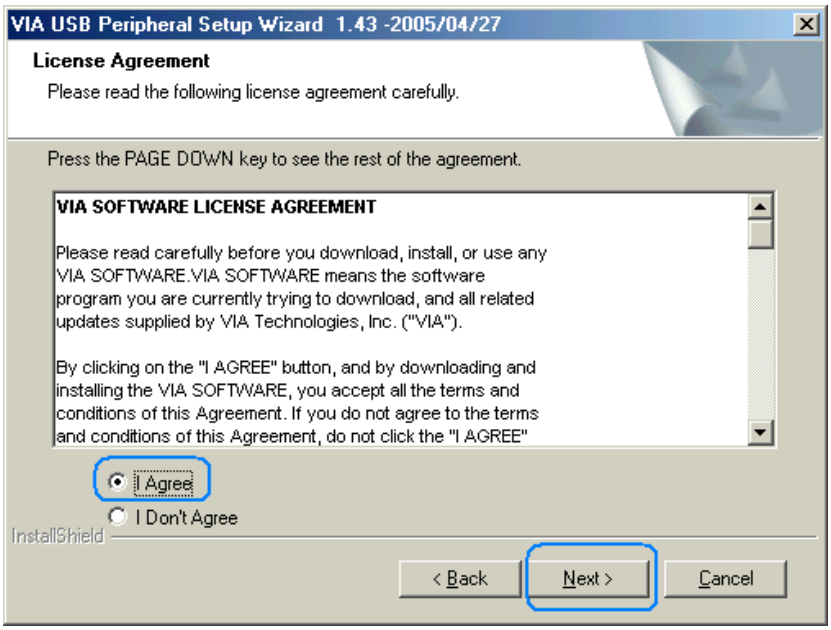
Installation Backup Utility Program

The Smart Backup has an advantage of one button backup. It provides an easy way to make a backup task just by one touch. Firstly, you need to install button-triggered backup utility software that came with this bundle disc. Please follow below steps to complete the copying utility installation:

1. Insert software driver disc into your CD-ROM drive.
2. Double click on ” **setup**” icon in ” **Utility**” folder.
3. Click **“Next”** to continue.


VIA USB Peripheral Setup Wizard 1.43 -2005/04/27
Welcome to the Install Wizard for VIA USB Peripheral Setup Program
The Install Wizard will install VIA USB Peripheral Setup Program on your computer. To continue, click Next.
U-Version:5.2.1.11
< Back
Next >
Cancel

4. Check【**I Agree**】then click **“Next”** to continue.


VIA USB Peripheral Setup Wizard 1.43 -2005/04/27
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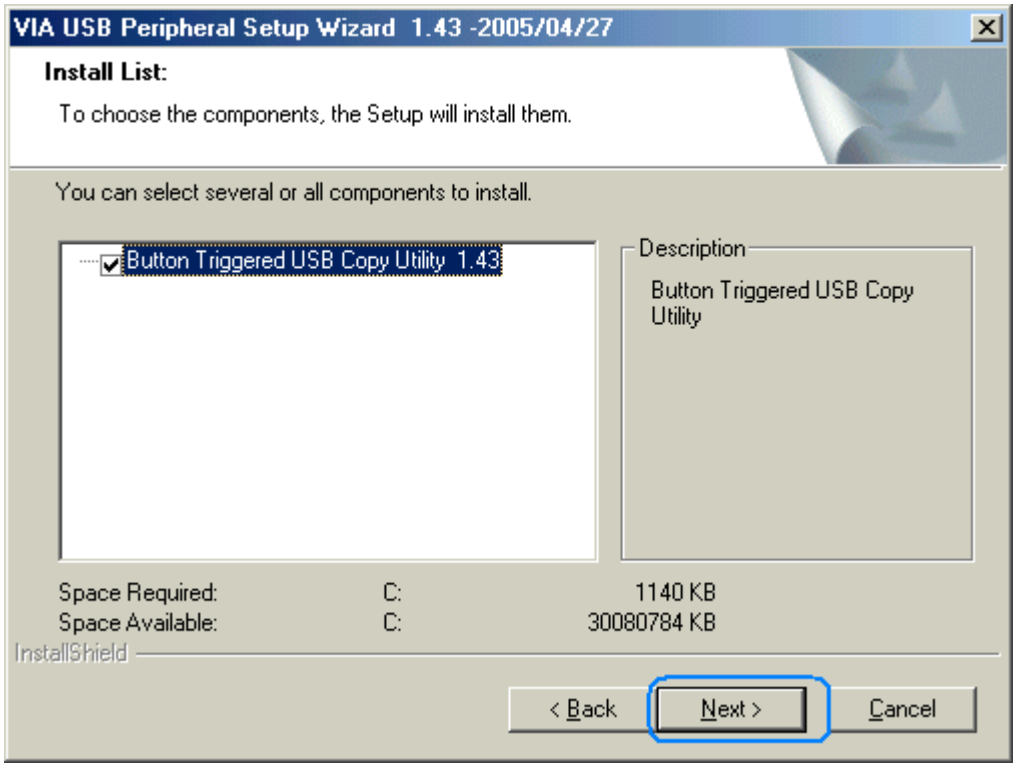
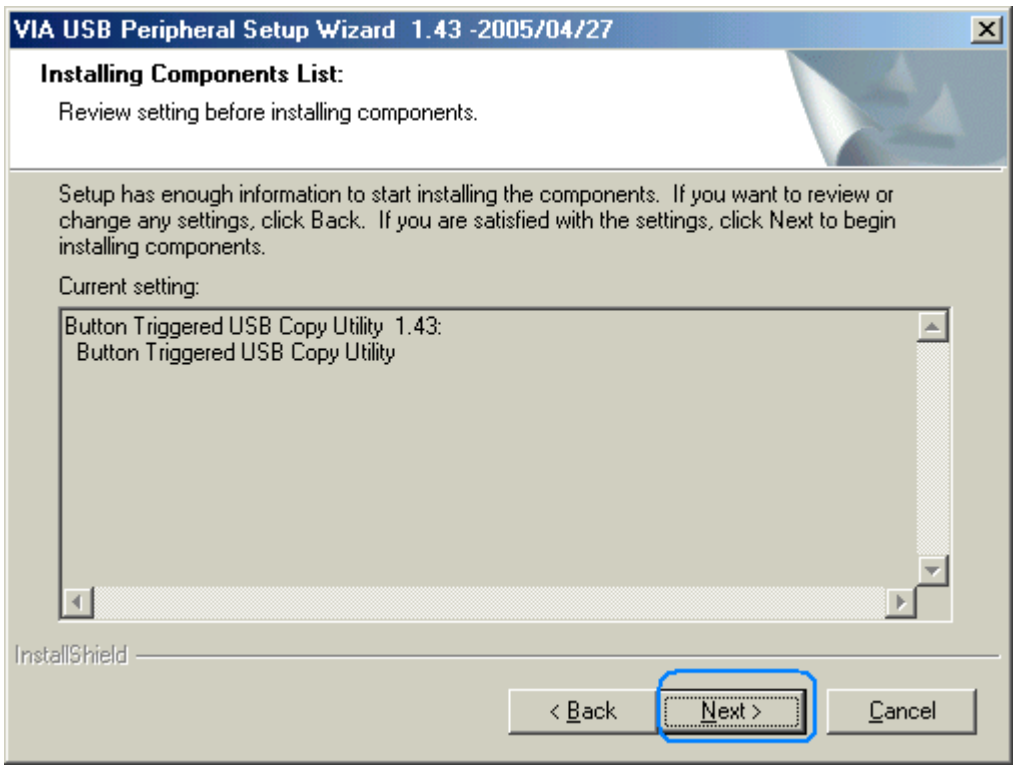
I Agree
I Don't Agree
InstallShield
< Back
Next >
Cancel

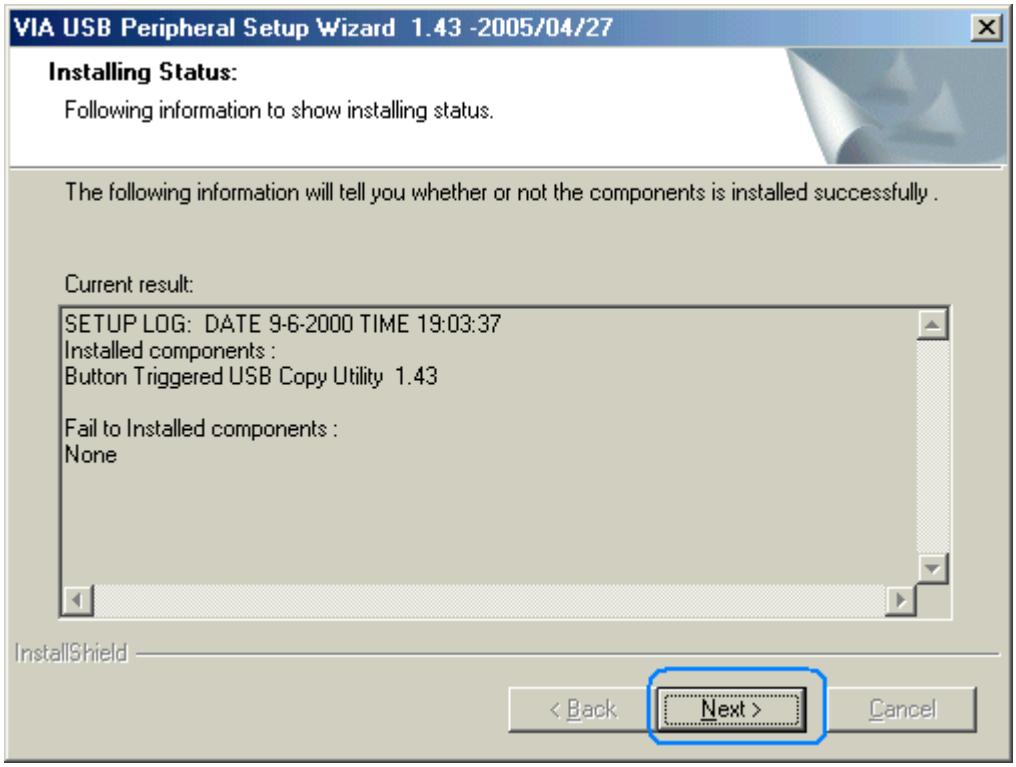
5. Click **“Next”** to continue.


VIA USB Peripheral Setup Wizard 1.43 -2005/04/27
Install List:
To choose the components, the Setup will install them.
You can select several or all components to install.
Button Triggered USB Copy Utility 1.43
Description
Button Triggered USB Copy Utility
Space Required: C: 1140 KB
Space Available: C: 30080784 KB
InstallShield
< Back
Next >
Cancel

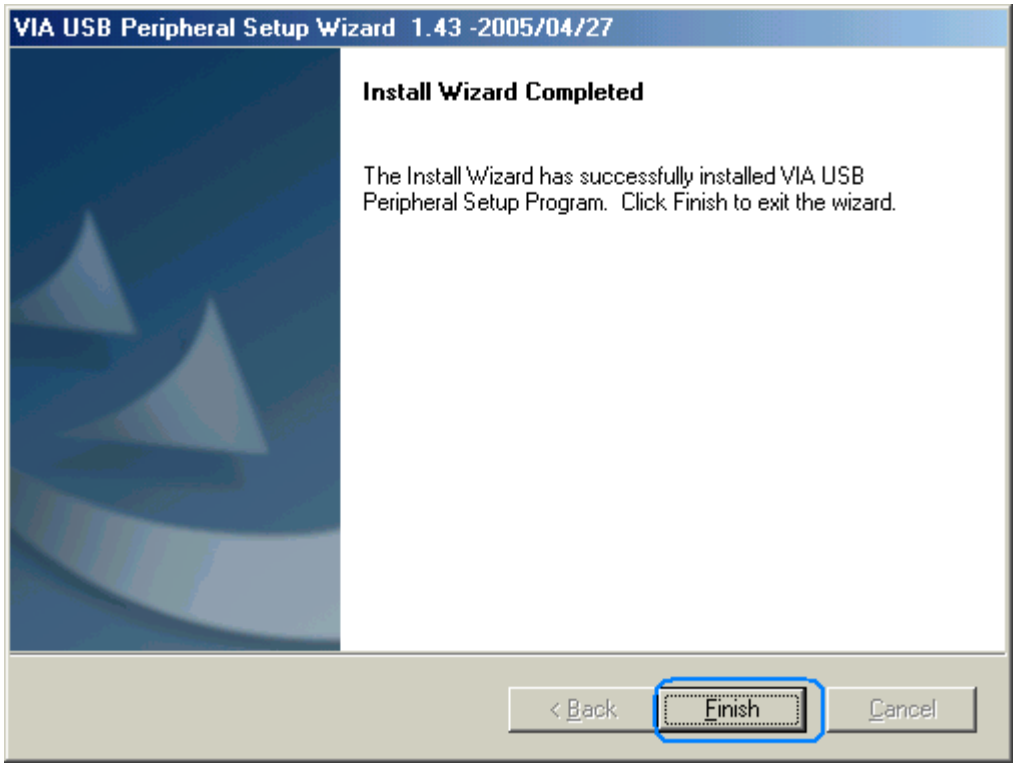
6. Click **“Next”** to continue.


VIA USB Peripheral Setup Wizard 1.43 -2005/04/27
Installing Components List:
Review setting before installing components.
Setup has enough information to start installing the components. If you want to review or change any settings, click Back. If you are satisfied with the settings, click Next to begin installing components.
Current setting:
Button Triggered USB Copy Utility 1.43:
Button Triggered USB Copy Utility
InstallShield
< Back
Next >
Cancel

7. Click **“Next”** to continue.


VIA USB Peripheral Setup Wizard 1.43 -2005/04/27
Installing Status:
Following information to show installing status.
The following information will tell you whether or not the components is installed successfully .
Current result:
SETUP LOG: DATE 9-6-2000 TIME 19:03:37
Installed components :
Button Triggered USB Copy Utility 1.43
Fail to Installed components :
None
InstallShield
< Back
Next >
Cancel

8. Click **“ Finish ”** to complete the backup utility program installation.

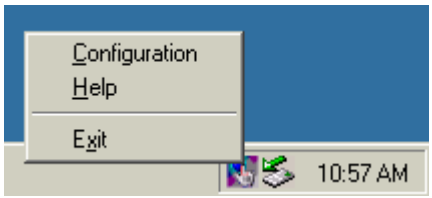

VIA USB Peripheral Setup Wizard 1.43 -2005/04/27
Install Wizard Completed
The Install Wizard has successfully installed VIA USB Peripheral Setup Program. Click Finish to exit the wizard.
< Back
Finish
Cancel

How to use touch backup utility

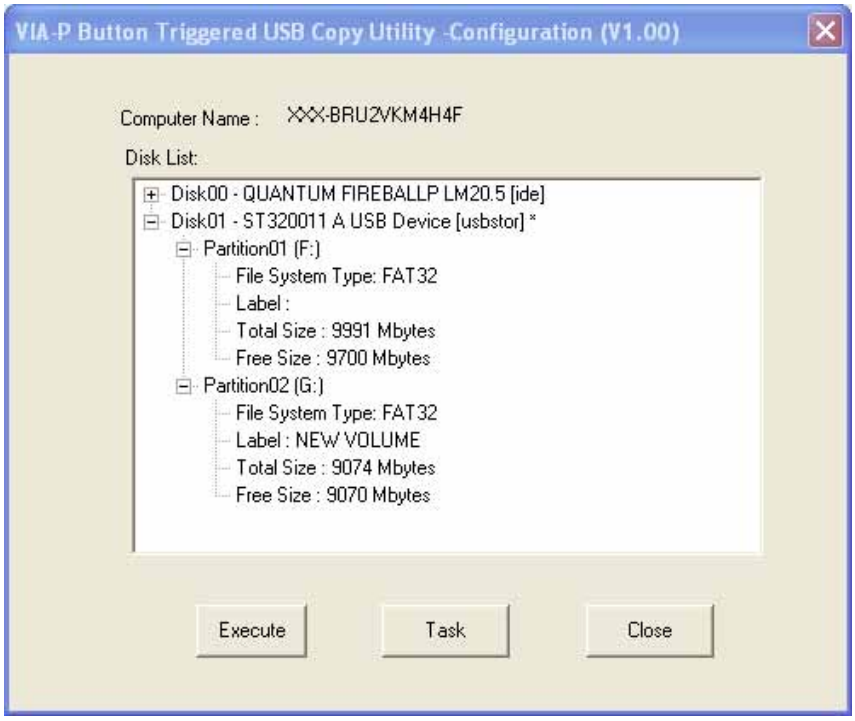
When you begin using this touch backup utility, you need to preset a copying path and a specifying a suitable attribute in first time and save it to a file. Then, whenever you want to do a backup task, just press the backup button on the Smart Backup, it will automatically copy files as you preset path from your computer to this Smart Backup hard drive. The copying utility supports friendly multi languages of user interface for user ease to use. Following languages are available: Danish, Dutch, English, French, German, Italian, Japanese, Korean, Portuguese, Simplified-Chinese, Spanish, Traditional-Chinese and Thai.

How to arrange configuration?

After the utility has been successfully installed, the application will automatically run each time, and will display an icon in the task bar. (See below).



To open the Configuration window double click the left mouse button or right click to select the **Configuration**.

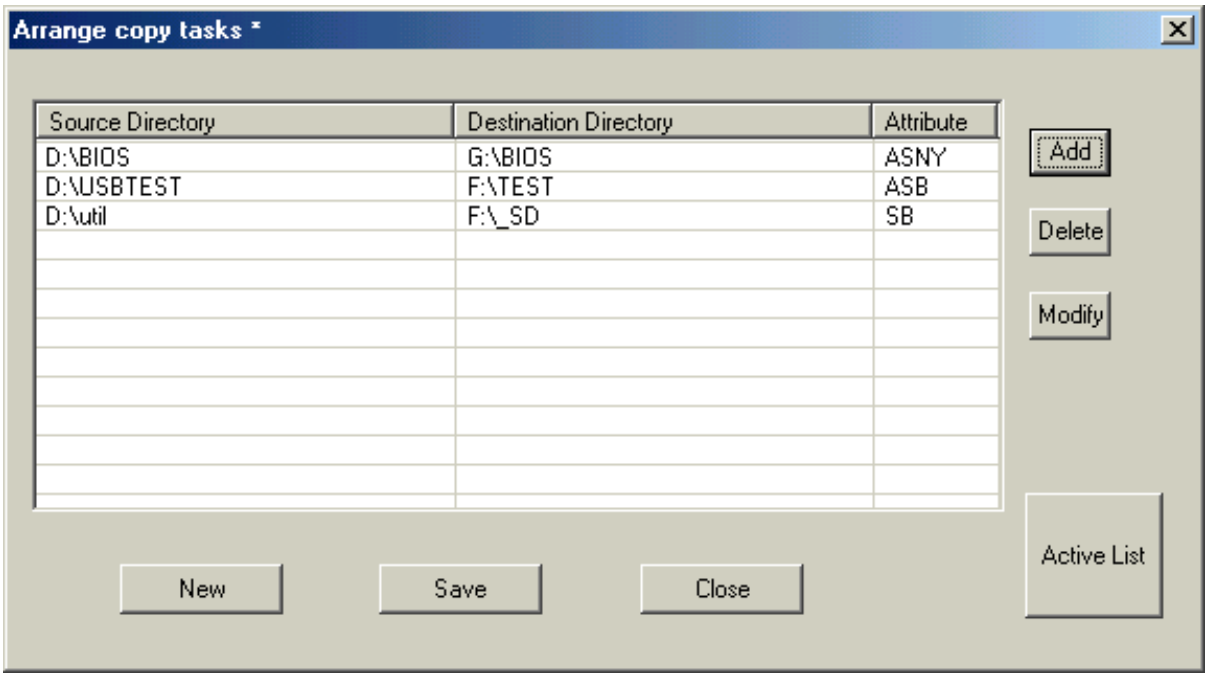


Windows dialog box will display computer name and disks on the system. The supported disk will showed with "*". Several actions can be taken from this window, such as:

Execute: To execute all edited tasks.
Task: Click on this button to edit copy tasks.
Close: End the configuration dialog.

How to edit copy tasks?

Having clicked on tasks in the previous window, you will see another window:



Each copy task comprises of a source directory, destination directory and attribute, which are displayed in this window.

The button descriptions are:

New: This will clear all edited task.

Save: Save current edited task list to a file.

A default file is generated by the application and is named by 'Disk' and the unique signature of the disk, such as "5555AAAA" and an extension 'CT'.

EX:Disk5555AAAA.CT.

Close: Close current dialog.

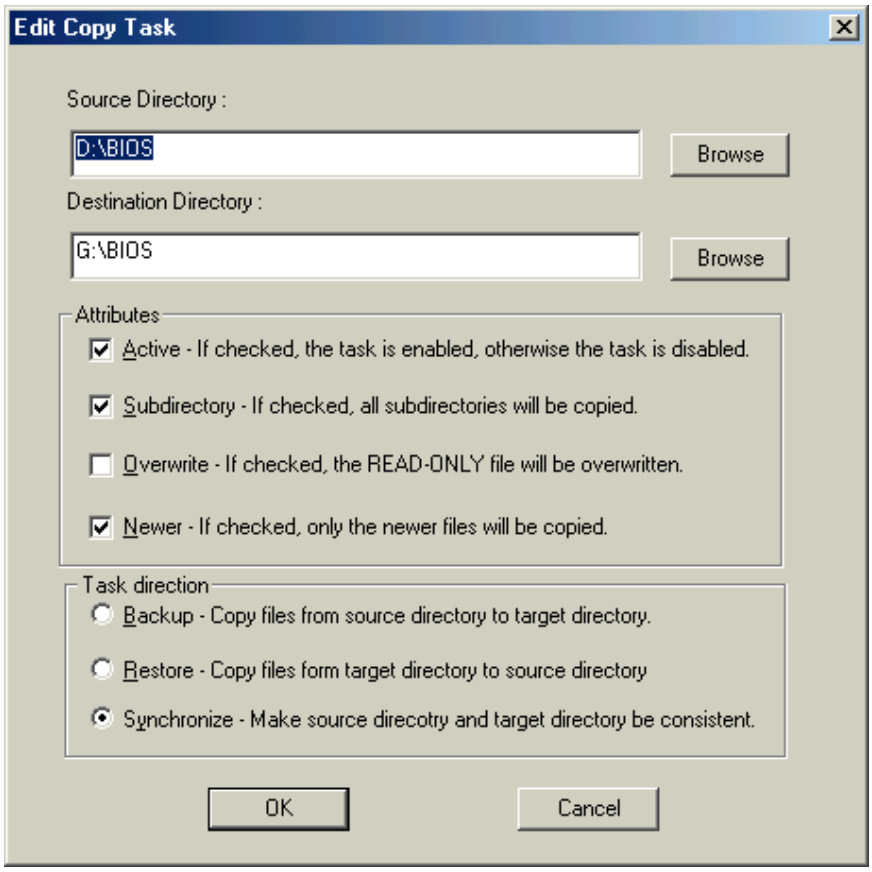
Add: Add a new task to the task list.

Delete: Delete the selected task.

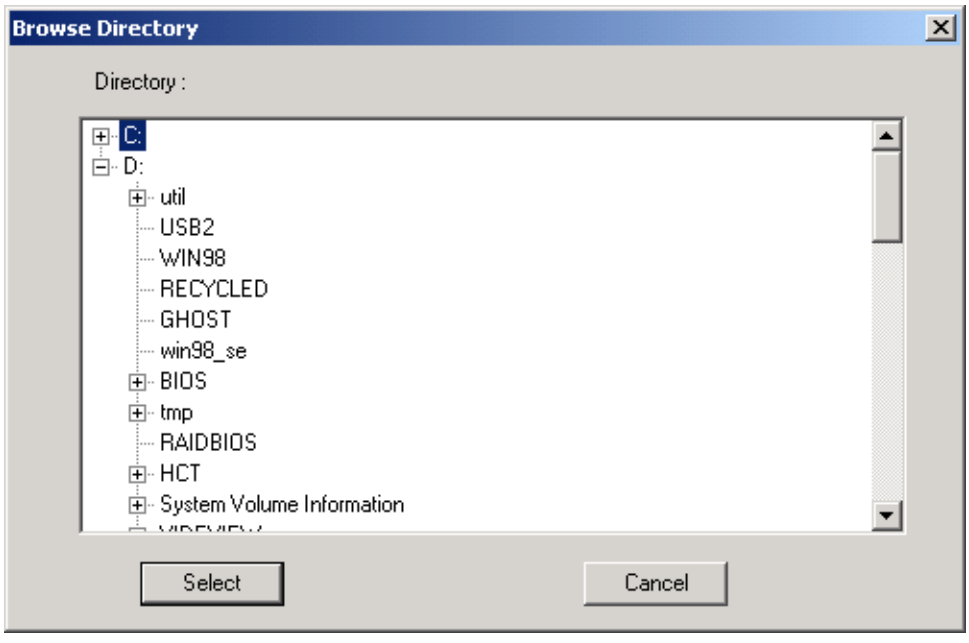
Modify: Modify the selected task.

Active List: Open the window to arrange his active task list.

How to modify task items?


Edit Copy Task
Source Directory :
D:\BIOS
Browse
Destination Directory :
G:\BIOS
Browse
Attributes
Active - If checked, the task is enabled, otherwise the task is disabled.
Subdirectory - If checked, all subdirectories will be copied.
Overwrite - If checked, the READ-ONLY file will be overwritten.
Newer - If checked, only the newer files will be copied.
Task direction
Backup - Copy files from source directory to target directory.
Restore - Copy files form target directory to source directory
Synchronize - Make source direcotry and target directory be consistent.
OK
Cancel

You can type in the source directory and destination directory directly or you can use the browse button below.



There are four types of attributes you can specify:

Active: To enable or disable the task item. If the active button is unchecked, the copy task will be skipped.
Subdirectory: If this attribute is checked, all the subdirectory of the source directory will be copied to the destination directory. Otherwise only the files located on the source directory will be copied.
Overwrite: If this attribute is checked, all source files will copy to the destination directory. Otherwise, the read-only on the destination directory will be skipped.
Newer: If this attribute is specified, the files of source directory are copied to destination only when the source file is newer than the destination file.

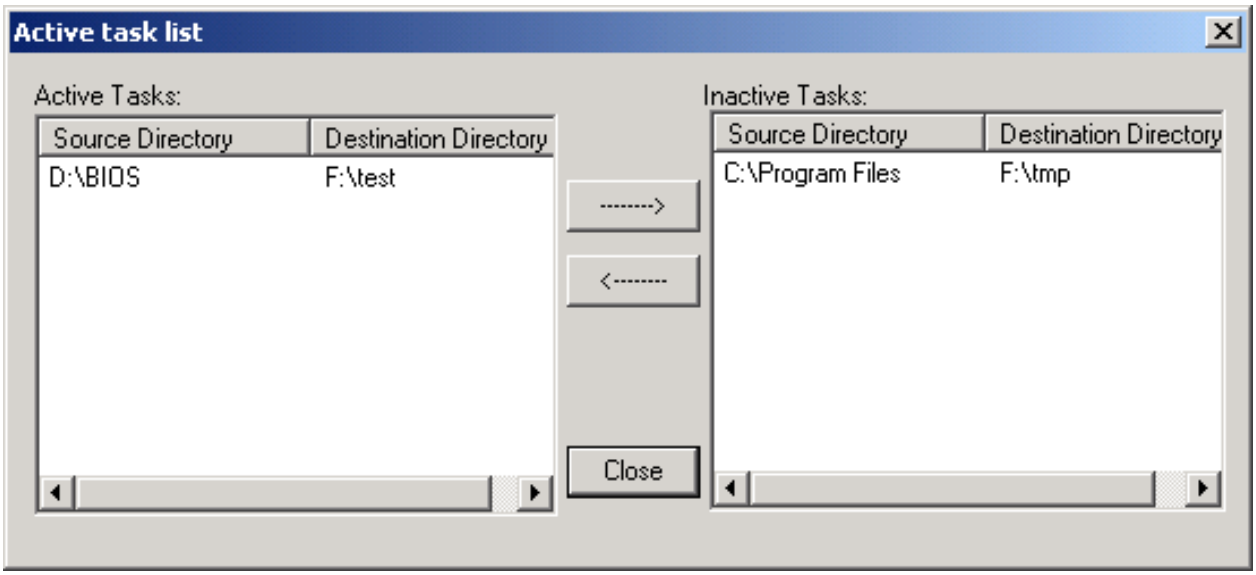
There are three types of copy direction you can specify:

Backup: To copy files from source directory to destination directory.
Restore: To copy files from destination directory to source directory.
Synchronize: To copy files bidirectionally and make the source and destination directory to be identical. If "synchronize" is checked, the 'Newer' attribute will automatically be checked.

Once a user has completed editing the copy task attributes, click OK and the task item will be added to the task list.

How arrange active task list?

The next window displays has two lists of "Active tasks" and "Inactive tasks". Highlight tasks and use the > or < to move them to and from the active and inactive lists.



How to use an auxiliary power cord or power adapter

The Smart Backup allow you install a 60GB/4200 RPM hard drive without any auxiliary power, but if you use a higher capacity drive that requires power current higher than 500ma limit, it may cause shortage of power from your USB port and make the device running unstable.
In this situation, there are two solutions to get more power supply for your high-powered hard drive. One is connecting another twin USB extra power plug to one more free USB port (see the following photo); another is using an auxiliary external self-power adapter.

- **Using extra auxiliary power cord**
  The USB auxiliary power cord is thinner than a regular cable. The picture showing below is connecting an extra auxiliary power cord to another USB port for getting more power. However, you can't only use this auxiliary USB plug to work your Smart Backup.

- **Using external AC switching power adapter**
  The Smart Backup provides a DC jack for external power adapter application. Using external power adapter can bring enough power current for your device running stabilized. You can refer to the following specification and buying from your local seller.

External switching power adapter specification:

1. Output Voltage/Current: DC 5V/1.5A
   (Do not use an adapter that over DC 5V, it may damage your device.)

2. Plug type: a. Inner hole: 1.3∅
   b. Outer: 3.5∅
   c. Plug length: 9.6 mm

■ Troubleshooting

This chapter covers some basic things you can do in the event that you encounter problems using this Smart Backup in your system.

- **Why computer does not recognize the Smart Backup?**

ANS：1.Make sure the USB cable is properly connected to your smart backup. Do not connect the auxiliary USB plug only.

2. If your Smart Backup is connected to a laptop or a bus hub (non- self powered hub), you may need to connect the auxiliary power cable to provide enough power for the Smart Backup. See "**How to use an auxiliary power cord or power adapter**" section for more detail information.
3. Make sure your host USB port is properly work, if you are unsure please try another USB port.

●Why data transfer between computer and device is slow?

ANS：You may connect to an USB 1.1 port not USB 2.0 , please make sure of your host is a high speed port from your computer hardware reference manual. The Smart Backup can work at both USB 1.1 and USB 2.0 port, but to achieve a hi-speed transfer rate, we recommend you must be connected the Smart Backup to an USB 2.0 high-speed host port.

●Why the backup button can't works?

ANS：1. Please make sure that you have installed backup utility program, if the utility program has been successfully installed, it will shows an icon in the task bar when windows was booting.

2. Please make sure that you have preset a copying path in this backup utility and specifying a suitable attribute that what you attempt to do and save it to a file. See "**How to use touch backup utility**" section for more detail information.
3. Close exist backup utility window.

P/N: M-507EB25VB